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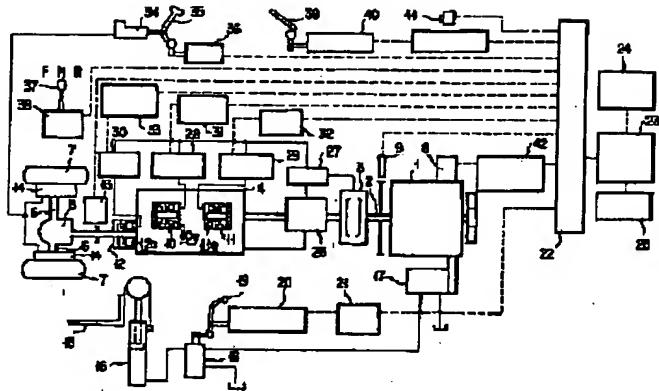
APPLICATION DATE : 26-02-93
APPLICATION NUMBER : 05038196

APPLICANT : KOMATSU FORKLIFT CO LTD;

INVENTOR : KAWASHIMA KAZUO;

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TITLE : CARGO HANDLING AND RUNNING
CONTROL DEVICE FOR INDUSTRIAL
VEHICLE



ABSTRACT : PURPOSE: To provide a cargo handling and running control device whose vehicle speed, is safe and easily controllable irrespective of engine speed without impairing smooth running control with both a hydraulic transmission and an auxiliary brake provided, and also with cargo handling speed controlled by means of throttle control at the time of cargo handling.

CONSTITUTION: In order to eliminate trouble that working speed is slowed down when cargo handling is carried out while a vehicle is running at slow speeds, the cargo handling and running control device is equipped with a transmission 4 having a torque converter 3 and hydraulic forward and reverse clutches 10 and 11, and with an auxiliary brake 12 exclusively used for vehicle speed control besides a main brake 14, when cargo handling is carried out while the vehicle is running, cargo handling speed is controlled by means of throttle control based on the manipulated variable of a cargo lever, and vehicle speed is controlled by means of both the hydraulic control of the forward and reverse clutches 10 and 11 and the braking force control of the auxiliary brake 12 regardless of engine revolution so as to be a target vehicle speed based on the manipulated variable of an accelerator pedal. By this constitution, operability and operating performance are enhanced, and running speed control excellent in responsiveness can thereby be performed.

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